

(12) UK Patent Application (19) GB (11) 2 330 695 (13) A

(43) Date of A Publication 28.04.1999

(21) Application No 9818795.8

(22) Date of Filing 28.08.1998

(30) Priority Data

(31) 9718311

(32) 30.08.1997

(33) GB

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(51) INT CL⁶
H01Q 7/00

(52) UK CL (Edition Q.)
H1Q QDX

(56) Documents Cited
GB 2288914 A

(58) Field of Search
UK CL (Edition Q.) H1Q QDA QDE QDH QDX
INT CL⁶ H01Q 7/00 7/04 7/06
On-line: WPI, EPODOC, JAPIO, INSPEC

(54) Abstract Title
Radio antenna

(57) A radio antenna system comprises a single low impedance feed socket (9) coupled to a junction point (11) splitting the feeder power into two separate circuits (1, 2) each of which passes approximately half the feed input power around a respective one of two conductors (1, 2) insulated from each other and in close proximity over their lengths and forming a dual loop not more than ten per cent of the operating wavelength in circumference at the lowest frequency to be radiated, the power flowing in opposite directions around each loop and having approximately plus and minus 45 degrees electrical phase difference produced by two series capacitors (12, 13), the one (12) being ahead of the first conductor (1), and the other (13) being after the second conductor (2), the said conductors of the loop being in sufficiently close proximity to provide interaction of the fields through Poynting vector synthesis.

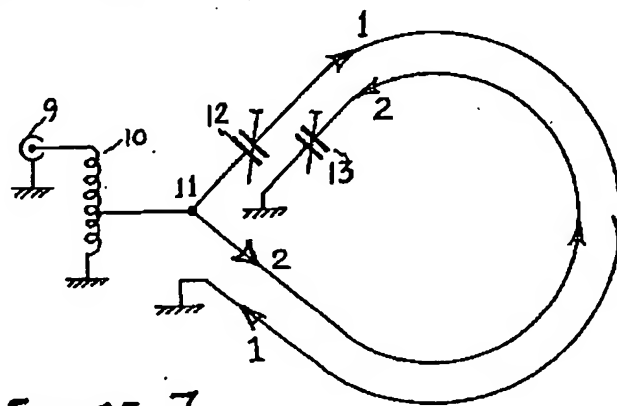


FIGURE 7

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